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Form PTO-1390 U.S.DEPAR (REV 12-2001)	PTÓ-1390 U.S.DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 12-2001)		ATTORNEY'S DOCKET NUMBER		
TRANSMITTAL LETTER TO THE UNITED STATES		2060.0030006/EKS/HCC			
DESIGNATED/ELECTED OFFICE (DO/EO/US)		U.S. APPLICATION NO. (IF KNOWN, SEE 37 C.F.R. § 1.5)			
CONCERNING	A FILING	UNDER 35 U.S.C. 371	10/031,345		
INTERNATIONAL APPLICATION N	10	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED		
PCT/US00/19774		19 July 2000	19 July 1999		
TITLE OF INVENTION					
	llular Immu	ne Responses To Hepatitis C Virus Using I	Peptide and Nucleic Acid Compositions		
APPLICANT(S) FOR DO/EO/US	SETTE IN	n SIDNEY, Scott SOUTHWOOD, Brian D	I IVINGSTON Robert CHESNUT		
Alessaluic		e BAKER, Esteban CELIS, Ralph T. KUBO			
Applicant herewith submits to	the United St	ates Designated/Elected Office (DO/EO/US	b) the following items and other information:		
			·, · · · · · · · · · · · · · · · · · ·		
1. This is a FIRST sub-	mission of ite	ms concerning a filing under 35 U.S.C. 371	l.		
2. Marchine This is a SECOND of	or SUBSEQU	ENT submission of items concerning a filing	ng under 35 U.S.C. 371.		
3. This is an express recitems (5), (6), (9) and		national examination procedures (35 U.S.C ed below.	C. 371(f)). The submission must include		
		piration of 19 months from the priority date	e (PCT Article 31).		
		ation as filed (35 U.S.C. 371(c)(2))	E. C.		
		red only if not communicated by the Interna	ational Bureau)	2	
_		by the International Bureau.		; ;	
		•	可	'n	
_		plication was filed in the United States Rec	reiving Office (RO/US).		
	20 S I				
10		min-dd 25 U.S.C. 154(4)(4)	290	(
_ `	b. has been previously submitted under 35 U.S.C. 154(d)(4).				
	The state of the state of the international application under FeT Article 19 (35 0.3.C. 371(c)(3))				
_		ired only if not communicated by the Intern	national Bureau).		
	 b. have been communicated by the International Bureau. c. have not been made; however, the time limit for making such amendments has NOT expired. 				
			dments has NOT expired.		
		will not be made.			
	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 372(c)(3)).				
9. An oath or declaration	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
	 An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 				
Items 11 to 20 holow concern	ath d	ent(s) or information included:			
nens 11 to 20 below concern	other docum	ient(s) or information included:			
11. An Information Discl	osure Statem	ent under 37 C.F.R. 1.97 and 1.98.			
_			with 37 C.F.R. 3.28 and 3.31 is included		
 12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 13. A FIRST preliminary amendment. 					
14. A SECOND or SUBSEQUENT preliminary amendment.					
15. A substitute specifica		emmay ancientent.			
		Consider to Lorentz			
- Treathquist reduction of the sequence fishing in accordance with 1 CT Rule 15tel.2 and 55 U.S.C. 1.821 - 1.823.					
8. A second copy of the published international application under 35 U.S.C. 154(d)(4).					
19. U A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).					
20. U Other items or information:					

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U.S. APPLICATION NO. (If known,		INTERNATIONAL APPLICATION NO PCT/US00/19774	. ·		ATTORNEYS DOCKET NUM 2060.0030006/	_
10/031,345		PC1/0500/197/4		$\neg \tau$	CALCULATIONS	PTO USE ONLY
21. X The followi	ng fees are submitted:			_	CALCULATIONS	FIO USE ONL!
nor international search f	iminary examination fee (3 ce (37 CFR 1.445(a)(2)) pa	7 CFR 1.482) tid to USPTO EPO or JPO	\$10	040.00		
International preliminary USPTO but International	examination fee (37 CFR I Search Report prepared by	the EPO or JPO	\$8	390.00		
International preliminary international search fee (examination fee (37 CFR I 37 CFR 1.445(a)(2)) paid to	1.482) not paid to USPTO bu 0 USPTO	ıt\$7	740.00		
International preliminary but all claims did not sati	examination fee (37 CFR 1 sfy provisions of PCT Artic	1.482) paid to USPTO cle 33(1)-(4)	s	710.00		
International preliminary and all claims satisfied pr	examination fee (37 CFR I rovisions of PCT Article 33	1.482) paid to USPTO (1)-(4)	\$1	100.00		
	ENTER A	PPROPRIATE BASIC	FEE AMOUNT =	\$	0	
	for furnishing the oath o	or declaration later than R 1.492(e)).	□ 20 □ 30 month	ns \$	0	
Claims	Number Filed	Number Extra	Rate			
Total Claims	- 20 =		X \$18.00	\$0		
Independent Claims	-3 =	{	X \$84.00	\$0		
Multiple dependent cl	aim(s) (if applicable)		+ \$280.00	\$0		
	7	TOTAL OF ABOVE CA	LCULATIONS =	\$0		
Applicant claims sn reduced by 1/2.	nall entity status. See 37 CF	R 1.27. The fees indicated :	above are	\$0		
			SUBTOTAL =	\$0		
Processing fee of \$130.00 earliest claimed priority d	o for furnishing the English late (37 CFR 1.492(f)).	translation later than 🗆 20	☐ 30 months from the	\$0		
		TOTAL NA	ATIONAL FEE =	\$0		
Fee for recording the enc an appropriate cover shee	losed assignment (37 CFR et (37 CFR 3.28, 3.31). \$40	1.21(h)). The assignment m 1.00 per property	ust be accompanied by +	\$40.00		
		TOTAL FEES	ENCLOSED =	\$40.00		
				Amount	to be refunded:	s
					charged:	\$
b. □ Please charge m sheet is enclosed c. ☒ The Commission Account No. 19 d. □ Fees are to be clainformation s	y Deposit Account No. d. ner is hereby authorized 10036. A duplicate coparged to a credit card. Valuation to be included	over the above fees is enc in the amou to charge any additional by of this sheet is enclose WARNING: Information on this form. Provide co	fees which may be requ d. on this form may becomedit card information ar	nired, or cr ne public.	edit any overpayn Credit card cation on PTO-20	nent to Deposit
must be filed and gra	nted to restore the app	nder 37 CFR 1.494 or 1 dication to pending stat		a petition	to revive (37 CF	R 1.137(a) or (b))
CUSTOMER NUME STERNE, KESSLER, GOLDSTE	BER 26111				ullail SIGNATURÉ	m
1100 New York Aven Washington, D.C. 20	ue, NW, Suite 600		<u>He</u> 47	lene C. Carls		
Form PTO-1390 (REV 12-2 SKGF_DC1:36956.1	(01) page 2 of 2		R	EGISTRATION N	UMBER	SKGF Rev. 4/8/02 ma

U.S. Department of Commerce Form PTO-1595 RECORDATION FORM COVER SHEET (Rev. 03/01) Patent and Trademark Office PATENTS ONLY OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): 1) Alessandro SETTE 2) John SIDNEY Name: Epimmune Inc. 3) Scott SOUTHWOOD 4) Denise Marie BAKER Street Address: 5820 Nancy Ridge Drive 5) Ralph T. KUBO City: San Diego State: California Zip Code: 92121 6) Brian D. LIVINGSTON 7) Robert CHESNUT 8) Esteban CELIS Country: U.S.A. 9) Howard M. GREY Additional name(s) & address(es) attached? □ ves
no Additional name(s) of conveying party(ies) attached? □ yes 図 no 3. Nature of Conveyance: ■ Assignment □ Merger □ Security Agreement ☐ Change of Name □ Other Execution Date: 1) June 20, 2002; 2) May 29, 2002; 3) May 29, 2002; 4) June 28, 2002; 5) June 13, 2002; 6) June 20, 2002; 7) June 20, 2002; 8) June 7, 2002; and 9) June 7, 2002

Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is ________

A. Patent Application No. 10/031,345

B. Patent No(s).

Additional numbers attached? Dyes 8 no
 Name and address of party to whom correspondence concerning document should be mailed:
 One of the concerning document should be mailed:

concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.J.J.C.

7. Total fee (37 C.F.R. § 3.41).......\$ 40.00

Internal Address: c/o Helene C. Carlson

□ Enclosed

☐ Authorized to be charged to Deposit Account

Street Address: 1100 New York Ave., N.W. Suite 600 Deposit Account Number:

City: Washington State: D.C. Zip Code: 20005-3934

19-0036

(Attach duplicate copy of this page if paying by deposit account)

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Statement and signature.The best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Helene C. Carlson Name of Person Signing Registration No. 47,473 Ublewlader Signature

8/29/02 Date

09/04/2002 GF REY1 00000015 10031345

Total number of pages including cover sheet, attachments and document 6

40.00 OP Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

01 FC:581

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: 1) Alessandro SETTE. 2) John SIDNEY, 3) Scott SOUTHWOOD, 4) Brian D. LIVINGSTON, 5) Robert CHESNUT, 6) Denise Marie BAKE, 7) Esteban CELIS. 8) Ralph T. KUBO, and 9) Howard M. GREY, the undersigned inventors hereby sells and assigns to Epimmune Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages.

check applicable box(es)

and throughout the world.

(a) in the invention known as <u>Inducing Cellular Immune Responses To Hepatitis C Virus Using Peptide And Nucleic Acid Compositions</u> for which application(s) for patent in the United States of America has (have) been executed by the undersigned on

1).	06/20/02	2)	05/29/02	3)	05/29/02	_
4)_	06/20/02	5)	06/20/02	6)	06/28/02	
7)	06/07/02	8)	06/04/02	and 9)	06/05/02	

(also known as United States Application No. 10031.345, filed January 18, 2002), which is the U.S. National Phase of PCT/US00/19774, International Filing Date July 19, 2000, in any and all applications thereon, in any and all Letters Patent(s) therefor, and

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enioved by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX PLL.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, and Joseph J. Kenny, Esquire, Registration No. 43,710 of Epimmune Inc., power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

015.PTO

The undersigned inventor(s) hereby grant(s) Robert Greene Steme, Esquire, Registration No. 28,012; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOR JLL.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, and Joseph J. Kenny, Esquire, Registration No. 43,710 of Epimmune Inc., power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her

Date: .		Signature of Inventor:	
Date:	5/29/02	Signature of Inventor:	Alessandre SETTE
Date:	5/29/62	Signature of Inventor:	John SIDNEY LOW LOUTHWOOD ROOM SOUTHWOOD
Date:		Signature of Inventor:	Robert CHESNUT
		-	D ' M ' DAWED
Date:	6/7/02	Signature of Inventor:	Esteban CELIS
Date:	6/13/02	Signature of Inventor:	Kapl 7. Kuko Ralph T. KUBO
Date:			Howard M. GREY

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Date:		Signature of Inventor: _	
Date:	5/29/02	Signature of Inventor:	Alessandre SETTE
	5/29/62	Signature of Inventor:	John SIDNEY
Date:	6/20/02	Signature of Inventor:	~ · d / /
Date:	× 6/20/02	Signature of Inventor:	Robert Chesunt
Date:		Signature of Inventor:	D. J. Mail DAVED
Date:	6/7/02	Signature of Inventor:	Steban CELIS
Date:		Signature of Inventor:	
Date:		Signature of Inventor:	•
			Howard M. GKE I

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Date:		Signature of Inventor:	
Date:	5/29/02	Signature of Inventor:	Alessandro SETTE
Date:	5/29/62	Signature of Inventor:	
Date:		Signature of Inventor:	Brian D. LIVINGSTON
Date:		Signature of Inventor:	Robert CHESNUT
Date:		Signature of Inventor:	Denise Marie BAKER
Date:		Signature of Inventor:	Esteban CELIS
		Signature of Inventor:	Ralph T. KUBO
Date:	6/7/02	Signature of Inventor:	Howard M. GREY
			/

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